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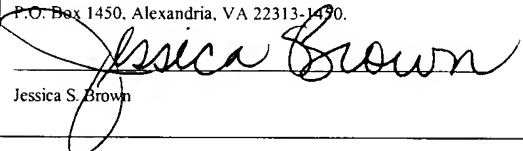
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## MCDERMOTT, WILL & EMERY

September 19, 2003

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|---|
| <p>Certificate Under 37 C.F.R. § 1.10</p> <p>I hereby certify that this correspondence and identified enclosures are being deposited on <b>September 19, 2003</b>, with the U.S. Postal Service, "Express Mail Post Office to Address" service, No. EV313251907US, under 37 C.F.R. § 1.10, addressed to the MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p><br/>Jessica S. Brown</p> |
|---|

MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Client: Alfred E. Mann Institute for Biomedical Engineering at the University of Southern California  
Matter No. 64693-078  
U.S. Patent Application  
Title: VENTILATION AND VOLUME CHANGE MEASUREMENTS USING PERMANENT MAGNET AND MAGNET SENSOR AFFIXED TO BODY  
Inventor: Stanley M. Yamashiro

Subject: Transmitting Patent Application for Filing

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Dear Sir or Madam:

We enclose for filing the patent application of:

Inventor: Stanley M. Yamashiro

For: VENTILATION AND VOLUME CHANGE MEASUREMENTS USING  
PERMANENT MAGNET AND MAGNET SENSOR AFFIXED TO BODY

This applicant claims Small Entity Status. See 37 C.F.R. 1.27.

The application includes:

- Cover + 23 pages of specification, claims, and abstract

- Twenty-seven (27) sheet(s) of drawings (Figures 1-9)
- Declaration and Petition executed by applicant
- Assignment executed by inventor

The filing fee has been calculated as shown below:

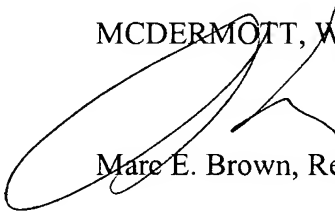
|                             | NO. OF<br>CLAIMS |     | EXTRA<br>CLAIMS | Small Entity<br>RATE | AMOUNT   |
|-----------------------------|------------------|-----|-----------------|----------------------|----------|
| Total Claims                | 35               | -20 | 15              | \$9.00               | 135.00   |
| Independent Claims          | 8                | -3  | 5               | \$42.00              | 210.00   |
| Multiple Dependent Claim(s) |                  |     |                 |                      | 0.00     |
| Basic Fee                   |                  |     |                 |                      | 375.00   |
| Total of Above Calculations |                  |     |                 |                      | .00      |
| Total Fee                   |                  |     |                 |                      | \$720.00 |

- ☒ Please charge my Deposit Account No. 501946 in the amount of \$720. A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 501946. A duplicate copy is enclosed.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☐ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 510946. A duplicate copy of this sheet is enclosed.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Please stamp the filing date on the enclosed postcard and return it to us.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

  
Marc E. Brown, Registration No. 28,590

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**Date: September 19, 2003**